

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#41A  
6-7-02  
9-arts

In re patent application of:

Emmanuel Robert

Serial No. 10/050,111

Filed: January 18, 2002

APR 26 2002

For: CONTROL DEVICE WITH  
MOBILE COMPONENT  
MOUNTED ON A BALL PIVOT

Group Art Unit 2878

Docket No. 19325

PRELIMINARY AMENDMENT

The Honorable Commissioner of  
Patents and Trademarks  
Arlington, VA 20231

Sir:

Prior to first Action by the Examiner, please amend as follows:

In the Specification

Page 2, cancel lines 17-22, and rewrite the paragraph as follows:

By this combination of the photodetector arrays and of the support bearing uniformly distributed points optically detectable by the photodetector arrays, the positions of the mobile component and its displacements around two or three axes of rotation may be determined over large angular displacements, typically larger than  $45^{\circ}$  and which may attain  $180^{\circ}$  or even  $360^{\circ}$  around at least one aforementioned axis.

Page 3, cancel lines 21-25, and rewrite the paragraph to read as follows:

Generally, the invention is applicable to control handles of the "joystick" type which may be used with video game consoles and computers, to measuring systems which use ball pivot mounted components, to prostheses, joints of robotic systems, and